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Northcon/96 , 4-6 Nov. 1996

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Pages:177 - 188

[\[Abstract\]](#) [\[PDF Full-Text \(2280 KB\)\]](#) **IEEE CNF****3 Hybrid electric vehicle commercialization issues***Browning, L.; Unnasch, S.;*

Applications and Advances, 2001. The Sixteenth Annual Battery Conference o 12 Jan. 2001

Pages:45

[\[Abstract\]](#) [\[PDF Full-Text \(56 KB\)\]](#) **IEEE CNF****4 Hubble Space Telescope at twelve years of age***Oman, H.;*

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Pages:31 - 36

[\[Abstract\]](#) [\[PDF Full-Text \(694 KB\)\]](#) **IEEE JNL****5 A procedure for derating a substation transformer in the presence o**

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Pages:1086 - 1092 vol.2

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7 Characteristic signatures of aerospace nickel-cadmium cells on life-testing

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[\[Abstract\]](#) [\[PDF Full-Text \(498 KB\)\]](#) **IEEE CNF**

9 Hubble Space Telescope six-battery nickel-cadmium mission simulation test

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Pages:1461 - 1465 vol.3

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10 An energy management system to improve electric vehicle range and performance

Pavlat, J.W.; Diller, R.W.;

Aerospace and Electronic Systems Magazine, IEEE , Volume: 8 , Issue: 6 , Jun 1993

Pages:3 - 5

[\[Abstract\]](#) [\[PDF Full-Text \(396 KB\)\]](#) **IEEE JNL**

11 Thermal behavior and end-of-life characteristics of the nickel-zinc battery

Cao, F.; Charkey, A.; Williams, K.;

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Pages:985 - 994 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(848 KB\)\]](#) IEEE CNF

12 Advanced batteries for electrically powered underwater vehicles
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Armantrout, J.D.; Hafen, D.P.; Rao, G.M.;

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15 Electrical design and performance of the British Satellite Broadcast Spacecraft

Moffett, D.W.; Gelb, S.W.; Goldhammer, L.J.; Edwards, B.D.;

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Pages:1193 - 1197 vol.2

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4903958, A9507-8630F-044, B9504-7630B-117; 950321.

TitleTOPEX/Poseidon NiCd **battery** performance: comparison of flight and ground test results.**Author(s)**[Deligiannis-F](#); [Sherwood-R](#); [Perrone-D](#); [Di-Stefano-S](#).**Author affiliation**

Jet Propulsion Lab, California Inst of Technol, Pasadena, CA, USA.

Source

Proceedings of 29th Intersociety Energy Conversion Engineering Conference - IECEC'94, vol.1, Monterey, CA, USA, 7-11 Aug. 1994.
In: p.105-11 vol.1, 1994.

Publication year

1994.

Language

EN.

Publication type

CPP Conference Paper.

Treatment codes

X Experimental.

Abstract

The TOPEX/Poseidon mission is a joint mission between the National Aeronautics and Space Administration (NASA) and the Centre National d'Etudes Spatiales (CNES). The objective of the satellite is to monitor the world's oceans for study of weather and **climate prediction**, coastal storm warning and maritime safety. Several months prior to the August 1992 TOPEX/Poseidon launch three ground cell tests were initiated. All ground tests were setup using spare cells from the flight cell lot. The cells used were manufactured in accordance to the NASA Standard 50 ampere-hour Nickel Cadmium cell Manufacturing Control Document (MCD). Four cells are operating at NSWC Crane Indiana under the NASA standard **life/stress** test regime. Another nine cells are operating at JPL under a simulated TOPEX/Poseidon regime. Satellite **battery** data obtained through telemetry has also been trended since the initiation of the mission. The ground tests have been very useful in assessing and predicting performance of the flight batteries on the satellite. The satellite operation was modified prior to launch in order to limit **battery** overcharge to appropriate limits. Higher cell degradation rates have been exhibited by the ground cells operated at higher levels of overcharge. (4 refs).

Descriptors

[aerospace-testing](#); [artificial-satellites](#); [cadmium](#); [life-testing](#);
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KeywordsTOPEX Poseidon mission; Ni Cd **battery** performance; ground test; flight test; National Aeronautics

and Space Administration; NASA; Centre National d Etudes Spatiales; satellite; **life** test; stress test; telemetry; performance **prediction**; **battery** overcharge limiting; cell degradation rates; Ni Cd.

Classification codes

A8630F (Secondary cells).
B7630B (Aerospace and avionic power supplies).
B7620 (Aerospace test facilities and simulation).
B8410E (Secondary cells).
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Chemical indexing

Ni-Cd int, Cd int, Ni int, Cd el, Ni el.

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TITLE: Computer system for vehicle battery selection based on vehicle operating conditions

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wruck, William J.	Whitefish Bay	WI	US	
Miles, Ronald C.	Whitefish Bay	WI	US	
Petersen, Ralph A.	West Allis	WI	US	
Walker, Arlen P.	Milwaukee	WI	US	

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File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020139114

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020139114 A1

TITLE: Heated insulated catalytic converter with air cooling

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dickau, John	Edmonton	CA	US	

US-CL-CURRENT: 60/300; 60/288, 60/320

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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DOCUMENT-IDENTIFIER: US 20020026252 A1

TITLE: Computer system for vehicle battery selection based on vehicle operating conditions

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

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Wruck, William J.	Whitefish Bay	WI	US	
Miles, Ronald C.	Whitefish Bay	WI	US	
Petersen, Ralph A.	West Allis	WI	US	
Walker, Arlen P.	Milwaukee	WI	US	

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DOCUMENT-IDENTIFIER: US 20040064219 A1

TITLE: System, tyre and method for determining the behaviour of a tyre in motion

PUBLICATION-DATE: April 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mancosu, Federico	Milano		IT	
Matrascia, Giuseppe	Seregno		IT	
Monguzzi, Carlo	Monza		IT	
Speziari, Diego Ettore	Milano		IT	

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TITLE: Heated insulated catalytic converter with air cooling

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Walker, Arlen P.	Milwaukee	WI	US	

US-CL-CURRENT: 700/90; 700/236, 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 6701234 B1

L2: Entry 4 of 9

File: USPT

Mar 2, 2004

US-PAT-NO: 6701234
DOCUMENT-IDENTIFIER: US 6701234 B1

TITLE: Portable motion recording device for motor vehicles

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vogelsang; Andrew John	Arlington	VA	22207	

US-CL-CURRENT: 701/35; 340/439, 340/441

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 6550949 B1

L2: Entry 5 of 9

File: USPT

Apr 22, 2003

US-PAT-NO: 6550949
DOCUMENT-IDENTIFIER: US 6550949 B1

**** See image for Certificate of Correction ****

TITLE: Systems and components for enhancing rear vision from a vehicle

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bauer; Frederick T.	Holland	MI		
Bauer; Lois	Holland	MI		
Roberts; John K.	East Grand Rapids	MI		
Stam; Joseph S.	Holland	MI		

US-CL-CURRENT: 362/545; 257/118, 257/148, 257/E25.02, 257/E25.028, 340/468,
340/937, 362/231, 362/800

Full	Title	Citation	Front	Review	Classification	Date	Reference	Attachments	Claims	KWMC	Draw D
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☐ 6. Document ID: US 6202566 B1

L2: Entry 6 of 9

File: USPT

Mar 20, 2001

US-PAT-NO: 6202566

DOCUMENT-IDENTIFIER: US 6202566 B1

TITLE: High-speed high-capacity transportation system

DATE-ISSUED: March 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hutchinson; Larry	Beaverton	OR	97008	

US-CL-CURRENT: 105/148; 104/118, 104/124, 104/126, 104/89, 104/93, 104/96, 105/150,
105/154, 105/199.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Attachments	Claims	KWMC	Draw D
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☐ 7. Document ID: US 6036827 A

L2: Entry 7 of 9

File: USPT

Mar 14, 2000

US-PAT-NO: 6036827

DOCUMENT-IDENTIFIER: US 6036827 A

TITLE: Electrolyzer

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Andrews; Craig C.	College Station	TX		
Murphy; Oliver J.	Bryan	TX		

US-CL-CURRENT: 204/252; 204/253, 204/257, 204/258, 204/266

Full	Title	Citation	Front	Review	Classification	Date	Reference	Attachments	Claims	KWMC	Draw D
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☐ 8. Document ID: US 5964089 A

L2: Entry 8 of 9

File: USPT

Oct 12, 1999

US-PAT-NO: 5964089

DOCUMENT-IDENTIFIER: US 5964089 A

TITLE: Diagnostics and control of an on board hydrogen generation and delivery system

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murphy; Oliver J.	Bryan	TX		
Andrews; Craig C.	College Station	TX		

US-CL-CURRENT: 60/286; 60/274, 60/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	SEQUENCES	ABSTRACTS	Claims	KWIC	Draw D
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☐ 9. Document ID: US 4201974 A

L2: Entry 9 of 9

File: USPT

May 6, 1980

US-PAT-NO: 4201974

DOCUMENT-IDENTIFIER: US 4201974 A

TITLE: Brake apparatus with air actuated remote wear indicator

DATE-ISSUED: May 6, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fima; Raoul G.	Van Nuys	CA		

US-CL-CURRENT: 340/454; 116/208, 188/1.11L, 188/1.11R, 200/61.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	SEQUENCES	ABSTRACTS	Claims	KWIC	Draw D
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2	NOA	1
3	892	1
4	1449	2
5	IIFW	1
6	FWCLM	1
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8	SRFW	1

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